

The Short-Term Scientific Mission at Institute of Parasitology, Slovak Academy of Sciences in Kosice was for me a great opportunity to acquire new knowledge about in vitro anthelmintic resistance detection methods. The STSM lasted 10 days and took place in June 2018. The main aims of STSM were training in the most commonly used in vitro anthelmintic resistance diagnostic tests (egg hatch test, larval development test and micro-agar larval development test), and examination with these in vitro tests of faecal samples from three goat herds from Poland in which resistance to ivermectin and benzimidazoles was previously detected in our laboratory by faecal egg count reduction test. Professor Marian Varady and his team members showed me in practice how to perform all of the above tests, as well as how to interpret the results. During this STSM I also had the opportunity to participate in researches which actually took place in the Institute of Parasitology, Slovak Academy of Sciences. Results of performed tests confirmed resistance of gastrointestinal nematodes to ivermectin and benzimidazoles in samples from three goat herds from Poland. Results obtained at this STSM will be part of my PhD thesis which will be published as three manuscripts in scientific journals. Knowledge and skills acquired during this STSM enabled me to introduce new anthelmintic resistance diagnostic methods to our laboratory, as well as to participate more actively in the tasks of COMBAR working group 1 which one I' am a member. The possibility to learn from very experienced and great researchers like Prof. Mária Várady, Dr Alžbeta Königová and Dr Michaela Urda-Dolinská was for me big pleasure which couldn't be possible without COST COMBAR support.

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